



PRESS RELEASE
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Freemindtronic

DataShielder Auth NFC HSM

Datashielder HSM NFC Auth uses NFC technology to provide advanced protection against identity theft, specifically targeting sophisticated attacks like attacks on the president.

Patented

Zero Trust TECHNOLOGY – Zero Knowledge

EXTREMELY REDUCED ATTACK SURFACE!

Contactless – Offline – Serverless – Databaseless – Loginless

Freemindtronic Erects a Bulwark Against Identity Theft with Datashielder HSM NFC Auth

Paris, France - Freemindtronic, a leader in the custom design of end-to-end anonymized counterintelligence solutions that operate offline, contactless, serverless, database-free, and without the need to log in, announces the launch of Datashielder HSM NFC Auth, an innovative security solution designed to effectively combat attacks on the president as well as other forms of spoofing identity.



Key features:

- **Strong Authentication:** Datashielder HSM NFC Auth serves as a physical authenticator. The user simply brings their NFC device (an NFC card or TAG) close to the security device, in this case an Android phone, to decrypt the money transfer order message. It is impossible to spoof the encryption key contained in the NFC Auth HSM generated and stored in this hardware security module by the President or RSI. The user of the Auth NFC HSM can simply use it without ever having access to the encryption key. It uses its Datashielder HSM NFC Auth to securely and contactlessly authenticate the transfer order by decrypting the message sent by the president.
- **Advanced Encryption:** The built-in hardware security module (HSM) encrypts communications using robust cryptography algorithms, ensuring that only authorized recipients can access the information being transmitted. Indeed, the encryption keys stored in the HSM NFC Auth may be subject to restrictive trust criteria, allowing the use of the HSM NFC Auth to be limited. For example, the encryption key can be associated with a password and/or the only phone ID that is authorized to use the key and/or a limited geographic area. Other trust criteria can be added in the sovereign version, considerably increasing the level of authentication.

- **Key Management:** Datashielder HSM NFC Auth stores an encryption key created by a Datashielder Lite NFC HSM, Datashielder Master NFC HSM, or Datashielder Defense NFC HSM product, which are encryption key generators and managers. These handlers are used to lock down access to the NFC Auth HSMs. The user with the power to authorize transfer orders simply uses their NFC Auth HSM to automatically decrypt the orders. It is physically impossible to impersonate the president who holds and stores in his HSM Lite, Master or Defense NFCs the encryption keys that he randomly generates with his own criteria of trust for the use of these keys.
- **Robust Encryption:** Datashielder HSM NFC Auth uses AES-256 CBC encryption via segmented keys, eliminating the risk of extraction, exposure, invasive or non-invasive brute force attack on hardware security modules with industrial NFC technology.
- **Interoperability and Extended Backward Compatibility:** The solution is designed to be compatible with all existing communication systems present in an NFC Android phone, including SMS, MMS, RCS, email, chat, webmail, even paper printing, camera, in short, almost any means of communication. The CEO can use any means of communication to securely place their money transfer orders, significantly reducing the possibility of identity theft.
- **User Experience:** Everything is designed to ensure easy integration into the user's existing environment without requiring major changes in their habits.

By combining these elements, Datashielder HSM NFC Auth provides an impenetrable barrier against sophisticated attacks, effectively protecting users' identities and sensitive data.

Patented Safety System:

Datashielder HSM NFC Auth is a hardware security module (HSM) with NFC technology, specifically designed for high-level use in enterprises and government institutions. It ensures secure communications at all levels and provides advanced protection against sophisticated threats to leaders and senior officials.

Research and Development: Freemindtronic is at the forefront of research and development in counter-intelligence solutions. Our commitment to innovation allows us to design advanced technologies to counter modern threats and protect sensitive information.

Patented Technologies: Our solutions are protected by several international patents, guaranteeing unique and secure technologies. These patents cover crucial innovations in data security and communication.

An Asset for Sovereign Security: This robust solution is an essential asset for sovereign security, providing an additional layer of defense against the most elaborate attack techniques. With Datashielder HSM NFC Auth, Freemindtronic demonstrates its commitment to securing critical identities and communications.

About Freemindtronic: Freemindtronic specializes in the design and creation of security, cybersecurity, and counterintelligence systems, with a focus on contactless (NFC) technologies. By offering innovative and high-quality solutions, Freemindtronic continues to redefine the standards for protecting sensitive data and communications.

For more information about Datashielder HSM NFC Auth and how it can secure your organization from high-level threats, visit <https://freemindtronic.com/product/datashielder-nfc-hsm-auth/>.

Press Contact: Christine BERNARD
 Promercial Manager Freemindtronic
 Email: christine@freemindtronic.com
 Phone: +376 804 500 (Andorra)
 Mobile FR: +33 646 334 639